

DEPARTMENT of ENVIRONMENTAL SERVICES
Water Division - Watershed Management Bureau

LAKE TROPHIC DATA

MORPHOMETRIC:

Lake: HOLT POND	Lake Area (ha):	18.62
Town: LOUDON	Maximum depth (m):	---
County: Merrimack	Mean depth (m):	---
River Basin: Merrimack	Volume (m ³):	---
Latitude: ---	Relative depth:	---
Longitude: ---	Shore configuration:	---
Elevation (ft): 690	Areal water load (m/yr):	---
Shore length (m): 1600	Flushing rate (yr ⁻¹):	---
Watershed area (ha): ---	P retention coeff.:	---
% watershed ponded: ---	Lake type:	natural w/dam

BIOLOGICAL:

1 April 2002

DOM. PHYTOPLANKTON (% TOTAL)	#1	
	#2	
	#3	
PHYTOPLANKTON ABUNDANCE (units/mL)		
CHLOROPHYLL-A (µg/L)		
DOM. ZOOPLANKTON (% TOTAL)	#1	
	#2	
	#3	
ROTIFERS/LITER		
MICROCRUSTACEA/LITER		
ZOOPLANKTON ABUNDANCE (#/L)		
VASCULAR PLANT ABUNDANCE		
SECCHI DISK TRANSPARENCY (m)		
BOTTOM DISSOLVED OXYGEN (mg/L)		
BACTERIA (E. coli, #/100 ml)	#1	
	#2	
	#3	

SUMMER THERMAL STRATIFICATION:

Depth of thermocline (m):
Hypolimnion volume (m³):
Anoxic volume (m³):

CHEMICAL:

Lake: HOLT POND
 Town: LOUDON

		1 April 2002			
DEPTH (m)					
pH (units)					
A.N.C. (Alkalinity)					
NITRATE NITROGEN					
TOTAL KJELDAHL NITROGEN					
TOTAL PHOSPHORUS					
CONDUCTIVITY (μ mhos/cm)					
APPARENT COLOR (cpu)					
MAGNESIUM					
CALCIUM					
SODIUM					
POTASSIUM					
CHLORIDE					
SULFATE					
TN : TP					
CALCITE SATURATION INDEX					

All results in mg/L unless indicated otherwise

TROPHIC CLASSIFICATION: 2002

D.O.	S.D.	PLANT	CHL	TOTAL	CLASS

COMMENTS:

1. aka Holt Meadow Pond or Unnamed Pond
2. This pond was visited in the spring of 2002 to see if it was suitable for sampling. All the land surrounding the pond is privately owned and the owner denied us access to the pond. It is considered to be private for sampling purposes and was removed from our list of lakes to sample.